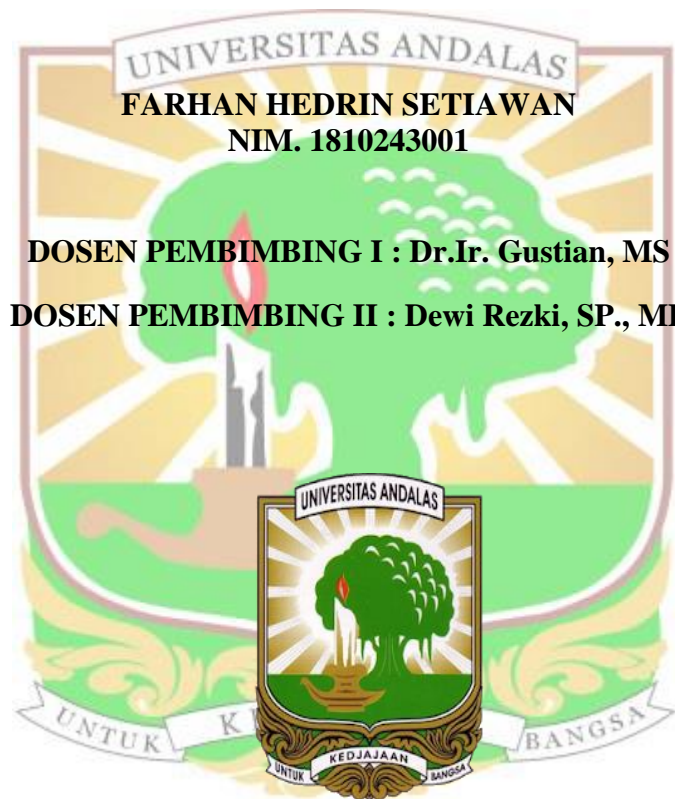


**INDUKSI AKAR DAN TUNAS STEK PUCUK KOPI ARABIKA
(*Coffea arabica*) DENGAN BEBERAPA KONSENTRASI ZPT
AUKSIN**

SKRIPSI

Oleh:



**FAKULTAS PERTANIAN
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Abstrak

Penelitian tentang Induksi Akar dan Tunas Stek Pucuk Kopi Arabika (*Coffea Arabica*) dengan Beberapa Konsentrasi ZPT, telah dilaksanakan pada bulan April sampai dengan Juni 2022 di Nagari Aia Dingin, Kecamatan Lembah Gumanti, Kabupaten Solok. Tujuan dilakukan penelitian ini ialah mengetahui respon induksi akar dan tunas stek pucuk kopi arabika dan mengetahui konsentrasi ZPT yang baik terhadap Induksi Akar dan Tunas Stek Pucuk Kopi Arabika (*Coffea Arabica*). ZPT auksin yang digunakan di dalam penelitian ini ialah ZPT dengan merek dagang Growtone. Penelitian ini dilakukan dengan menggunakan metode Rancangan Acak Lengkap dengan perlakuan kontrol dan perendaman bahan stek menggunakan ZPT auksin dengan konsentrasi 200 ppm, 400 ppm, 600 ppm dan 800 ppm dan dilakukan selama 3 bulan. Setelah dilakukan penelitian dilanjutkan dengan penghitungan analisis ragam penelitian dengan menggunakan menggunakan uji F pada taraf 5% dan apabila diperoleh hasil berbeda nyata dilanjutkan dengan uji *Duncan's New Multiple Range Test* pada taraf 5%. Hasil penelitian menunjukkan bahwa Induksi Akar dan Tunas Stek Pucuk Kopi Arabika (*Coffea Arabica*) dengan beberapa Konsentrasi ZPT auksin dengan merek Growtone memberikan pengaruh berbeda nyata terhadap variabel pengamatan variabel panjang akar, berat basah akar dan hari muncul tunas, dan tidak memberikan pengaruh berbeda nyata terhadap variabel panjang tunas, jumlah tunas, jumlah akar dan persentase hidup. Konsentrasi terbaik ZPT Auksin dengan merek Growtone terdapat pada konsentrasi 600 ppm.

Kata Kunci : Pengatur tumbuh, Vegetatif, *Growtone*



Induction of roots and shoots of arabica coffee (*coffea arabica*) shoot cuttings with Several ZPT Concentrations

Abstract

A research on the Induction of roots and shoots of arabica coffee (*Coffea Arabica*) shoot cuttings with Several ZPT Concentrations, studied from April to June 2022 in Nagari Aia Dingin, Lembah Gumanti District, Solok Regency. The purpose of this study was to determine the response of root and shoot induction of Arabica coffee shoot cuttings and to determine good ZPT concentrations on root and shoot induction of arabica coffee (*Coffea Arabica*) shoot cuttings. The auxin ZPT used in this study is ZPT with the trademark Growtone. This research was conducted using a complete randomized design with control treatment and immersion of cuttings using ZPT auxin with concentrations of 200 ppm, 400 ppm, 600 ppm and 800 ppm for three months implementation time. After the research was completed, it was continued with the analysis of the variety of research using the F test at the 5% level and if the results were significantly different, it was continued with the Duncan's New Multiple Range Test at the 5% level. The results showed that the induction of roots and shoots of Arabica Coffee (*Coffea Arabica*) shoot cuttings with several concentrations of auxin ZPT with the trademark Growtone had a significantly different effect on the observed variables of root length, wet weight of roots and days of emergence of shoots, but did not have a significantly different effect on variables of shoot length, number of shoots, number of roots and percentage of life. The best concentration of ZPT Auxin under the Growtone brand is at a concentration of 600 ppm.

Keywords : Growth Regulator, Vegetative, *Growtone*

